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(54) Title: E.COLI MUTANT CONTAINING MUTANT GENES RELATED WITH TRYPTOPHAN BIOSYNTHESIS AND PRO-
DUCTION METHOD OF TRYPTOPHAN BY USING THE SAME

cagaggttaagggttgaaagcgagcgaataat tgcctgtgtgaataaaaaatgtacgaatatggat
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gcgctgtgaattatttagcgaagcgttggaactgggttgctgaagtg

(57) Abstract: The present invention relates to a Tryptophan-producing *E.coli* mutant strain CJ285 (KCCM-10534) containing single or multi mutant genes related with Tryptophan biosynthesis and production method of Tryptophan using the same. More particularly, DNA base sequences and amino acid sequences *aroF*, *aroG*, *trpR*, and *tyrR* originated from tryptophan producing *E.coli* mutant strain CJ285 (KCCM-10534) and related with Tryptophan biosynthesis, are disclosed, and *E.coli* CJ285 containing at least one of the mutant genes is cultivated directly in a glucose-containing fermentation medium, whereby L-tryptophan can be accumulated in the culture medium.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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